

CAREER OPPORTUNITY

Nkomati Nickel Mine is primarily a nickel and chrome operation located in the Mpumalanga Province between Badplaas (eManzana) and Machadodorp (eNtokozweni), within the broader Waterval Boven (Emgwenya) region. Nkomati is owned by African Rainbow Minerals (ARM), a leading South African diversified mining and minerals company. ARM mines and beneficiates iron ore, manganese ore, chrome ore, platinum group metals (PGMs), nickel and coal and has a strategic investment in gold through Harmony Gold Mining Company (Harmony).

NKOMATI
NICKEL MINE

PLANT METALLURGIST (C5 PATTERSON GRADING)

REFERENCE NUMBER: NK-PM-C5-05/10/2026

Purpose of the Job:

The successful candidate will provide specialist metallurgical support to Concentrator Plant operations by monitoring and optimising process performance, investigating metallurgical deviations, conducting test work and plant trials, and providing technical recommendations to improve recovery, throughput, concentrate quality, process stability and operating efficiency.

Location:

- Slaaihoek Farm, Waterval Boven, Mpumalanga

Job Requirements:

- Bachelor's degree or BTech in Extractive Metallurgy, Metallurgical Engineering, Mineral Processing, Chemical Engineering or an equivalent relevant qualification.
- Professional registration, or eligibility for registration, with a recognised professional body will be advantageous.
- 5 years' relevant post-qualification experience in a mineral-processing or concentrator-plant environment.
- Practical experience in milling and flotation process support.
- Experience in metallurgical accounting, test work, plant trials and process optimisation.
- Experience in a base-metal or nickel concentrator will be advantageous.
- Exposure to plant commissioning, restart or ramp-up activities will be advantageous.
- SHEQ compliance
- Sound knowledge of mineral processing and concentrator-plant operations.

Job Responsibilities:

- Monitor and analyse metallurgical performance against production targets.
- Evaluate recovery, concentrate grade, throughput, grind size, densities, mass pull, reagent consumption and tailings losses.
- Identify process deviations and conduct structured metallurgical investigations.

- Provide technical support across crushing, milling, flotation, thickening, filtration and tailings processes.
- Recommend process-control interventions to improve recovery, product quality and plant stability.
- Plan, coordinate and evaluate metallurgical test work and plant trials.
- Compile metallurgical balances and support production reconciliation.
- Investigate sampling, assay and metallurgical-accounting discrepancies.
- Liaise with Production, Laboratory, Mining, Engineering and other technical stakeholders.
- Compile daily, weekly and monthly metallurgical reports.
- Identify and evaluate continuous-improvement and cost-optimisation opportunities.
- Support safe implementation of approved process changes.
- Provide technical guidance to Production employees, graduates and trainees.
- Ensure compliance with applicable safety, health, environmental and operational requirements.

Technical and Behavioural Competencies

The successful candidate should demonstrate:

- Sound knowledge of mineral processing and concentrator-plant operations.
- Applied understanding of milling, classification, flotation, thickening and filtration.
- Knowledge of flotation chemistry, reagents, mineral liberation and process control.
- Ability to analyse plant data, metallurgical balances and production trends.
- Strong technical investigation, analytical thinking and problem-solving capability.

Equity Statement:

Preference will be given to suitably qualified applicants in line with the employment equity plan and targets of the organisation.

POPIA Disclaimer

By sending your details to the email address on this advertisement you agree to:

- The processing of your personal information and sharing it with third parties for verifications.
- The exercising of your rights provided for by POPIA.
- To acknowledge that ARM Nkomati Nickel Mine will keep the record of your personal information confidential.

Additional Information:

- Interested candidates should apply via the TEBA recruitment system through WhatsApp +27 60 017 5980 by completing the required application and submitting:
- A comprehensive Curriculum Vitae (CV);
- Certified copies of qualifications; and
- A certified copy of the Identity Document
- No late applications will be considered or accepted..
- If you do not hear from the Company within 30 days after the closing of the advert, please consider your application as unsuccessful.
- **Closing date: 16 October 2026**